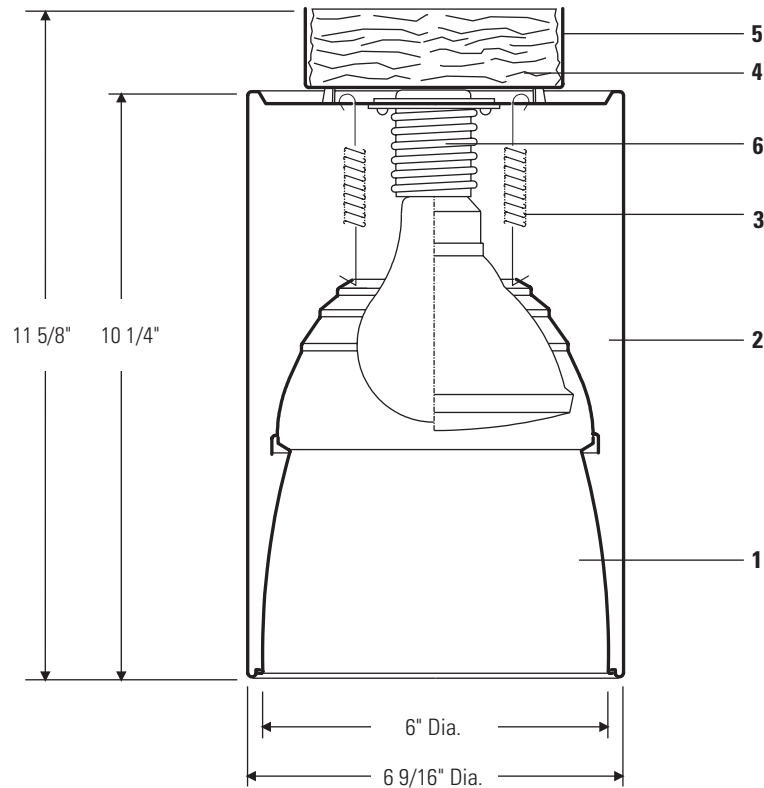




Calculite® Incandescent Surface Cylinder 7018A0

Page 1 of 2

6" Aperture A Lamp / BR30 / PAR38



Catalog Number	Lamp
7018A0	BR30, 85W max. A21, 150W max. PAR38, 150W max.

Features

- Reflector:** 16 ga. Specular clear Alzak® aluminum. 50° visual cut-off to lamp and lamp image.
- Housing:** One piece spun 16 ga. aluminum with returned bottom edge to seat reflector, no visible hardware. Matte white baked enamel finish.
- Retaining Springs:** Coil steel springs secure reflector to housing.
- Heat Insulator:** Fiberglass bulk insulation.
- Collar:** One piece 16 ga. spun aluminum. Matte black finish
- Socket:** Medium base porcelain, nickel plated screw shell.

Options & Accessories

Stem Kit: 7249 Matte white

Permits surface units to be stem mounted. Supplied with 1/2" dia. and 5 1/2" dia. canopy. 37 5/8" O.A. Length. Stem can be cut to length at the job site. Self aligning swivel provides up to 38° vertical adjustment.

Other reflector and housing finishes consult factory.

Electrical

Requires 60°C Supply wires. No.18 SF-1 leads to porcelain socket.

Labels

UL Listed for damp locations, I.B.E.W.

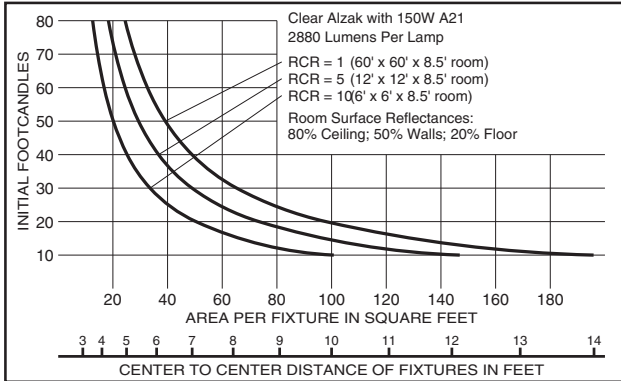


Alzak® is a registered trademark of ALCOA.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

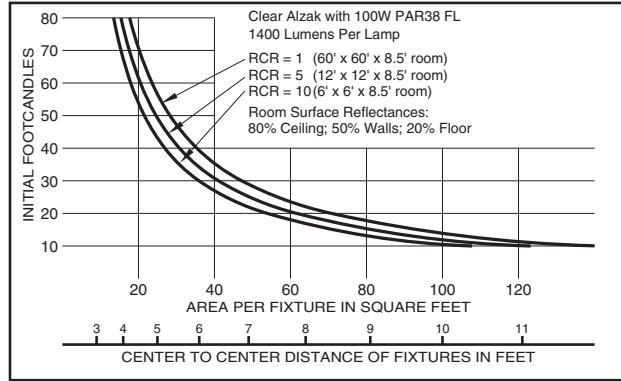
Lightolier a Genlyte Thomas Company www.lightolier.com
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LIGHTOLIER®



Use quick calculator chart to determine spacing of luminaires for desired level of illumination.

Conversion Factors:
100W A21, F.C. X 0.6

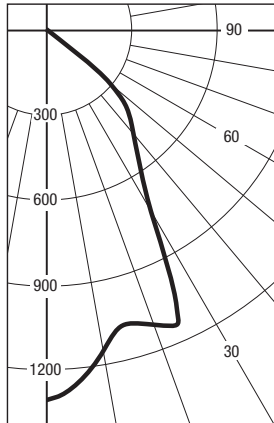


Use quick calculator chart to determine spacing of luminaires for desired level of illumination.

Conversion Factors:
PAR38 FL: 100W(IR), F.C. X 1.5; 120W, F.C. X 1.4; 90W, F.C. X 0.7
70W/60W(IR), F.C. X 0.8
BR30 FL: 85W, F.C. X 0.6 (S.R.=0.9); 75W, F.C. X 0.5 (S.R.=0.9);

Spacing Ratio = 1.1

150W A21



ITL, Inc. report No. 21590
Date: 2-9-77

Efficiency: 61.2%

CANDLEPOWER SUMMARY

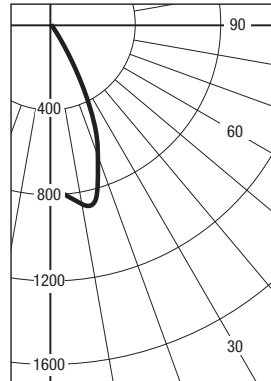
DEG	CP	ZONAL FLUX
0	1319	0
5	1266	120
15	1080	306
25	1130	523
35	588	369
45	421	326
55	123	110
65	6	6
75	2	2
85	0	0
90	0	0

ZONAL SUMMARY

ZONE	LUMENS	LAMP	FIXT
0-30	949	32.9	53.8
0-40	1318	45.8	74.8
0-60	1754	60.9	99.5
0-90	1763	61.2	100.0
90-180	0.0	0.0	0.0
0-180	1763	61.2	100.0

Spacing Ratio = 0.4

150W A21



Tested According to IES procedures. Test distance exceeds five times the greatest luminous opening of Luminaire.

Certified test report No. 0847FR
Computed by LSI program

Efficiency = 89.3%

CANDLEPOWER SUMMARY

DEG	CP	ZONAL FLUX
0	4932	
5	4382	404
10	3249	
15	1805	541
20	777	
25	373	196
30	173	
35	72	57
40	45	
45	38	30
50	34	
55	29	20
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	

ZONAL SUMMARY

ZONE	LUMENS	LAMP	FIXT
0-30	1141	81.56	91.37
0-40	1198	85.64	95.94
0-60	1249	89.25	99.99
0-90	1249	89.26	100.00
40-90	50	3.63	4.06
60-90	0	.01	.01
90-180	0	.00	.00
0-180	1249	89.26	100.00

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	% WALL REFLECTANCE											
	80				70				50			
	50	30	10	0	50	30	10	0	50	30	10	0
1	.68	.66	.65	.64	.66	.65	.64	.63	.62	.61	.60	.59
2	.63	.61	.58	.56	.60	.58	.57	.56	.55	.54	.53	.52
3	.59	.56	.53	.51	.56	.54	.52	.51	.50	.49	.47	.46
4	.55	.51	.49	.47	.54	.51	.48	.47	.46	.45	.44	.43
5	.51	.47	.44	.42	.50	.47	.44	.43	.42	.41	.40	.39
6	.47	.43	.41	.40	.46	.43	.41	.40	.39	.38	.37	.36
7	.44	.40	.37	.36	.43	.40	.37	.36	.35	.34	.33	.32
8	.41	.37	.34	.33	.40	.36	.34	.33	.32	.31	.30	.29
9	.37	.34	.31	.30	.37	.33	.31	.30	.29	.28	.27	.26
10	.35	.31	.28	.27	.35	.31	.28	.27	.26	.25	.24	.23

20% FLOOR CAVITY REFLECTANCE

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

ROOM CAVITY RATIO	% WALL REFLECTANCE											
	80				70				50			
	50	30	10	0	50	30	10	0	50	30	10	0
1	1.01	1.00	.99	.98	.98	.97	.96	.95	.94	.93	.92	.91
2	.97	.95	.93	.91	.94	.92	.90	.88	.87	.86	.85	.84
3	.94	.91	.89	.87	.91	.89	.87	.85	.84	.83	.82	.81
4	.91	.88	.86	.84	.88	.85	.83	.81	.80	.79	.78	.77
5	.88	.85	.83	.81	.85	.82	.80	.78	.77	.76	.75	.74
6	.86	.83	.81	.79	.83	.80	.78	.76	.75	.74	.73	.72
7	.83	.80	.78	.76	.80	.77	.75	.73	.72	.71	.70	.69
8	.81	.78	.76	.74	.78	.75	.73	.71	.70	.69	.68	.67
9	.79	.76	.74	.72	.76	.73	.71	.69	.68	.67	.66	.65
10	.77	.75	.72	.70	.74	.71	.69	.67	.66	.65	.64	.63

20% FLOOR CAVITY REFLECTANCE

Conversion Factor: 45W TO 120W PAR 38 FL, C.U. X 1.0. 65W TO 85W BR30 FL, C.U. X 0.85

Job Information

Type:

Lightolier a Genlyte Thomas Company

www.lightolier.com

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